

PATENT

Attorney Docket No. 02730.0020.PCUS00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sun-Chang Kim
App. No.: 10/505,328
Conf. No.: 5904
Filing Date: October 31, 2002
Title: CONSTRUCTION OF NOVEL
STRAINS CONTAINING
MINIMIZING GENOME BY
Tn5-COUPLED Cre/loxP
EXCISION SYSTEM

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.56, 1.97 and 1.98

Dear Sir:

In compliance with 37 C.F.R. § 1.97 and the continuing duty of disclosure under 37 C.F.R. § 1.56, Applicant calls to the attention of the Examiner the references listed on the attached Form PTO/SB/08B. It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08B be considered by the Examiner and made of record.

In accordance with 37 C.F.R. § 1.97(g), this Information Disclosure Statement is not to be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), this Information Disclosure Statement is not to be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of a first Office Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b)(3).

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this document, the Commissioner is hereby authorized to

deduct the fees from Howrey Simon Arnold & White, LLP Deposit Account 08-3038 referencing the above-identified docket number.

Respectfully submitted,

HOWREY LLP

Dated: January 9, 2006

By: /Teddy C. Scott, Jr., Ph.D./
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/505,328
Filing Date	October 31, 2002
First Named Inventor	Sun-Chang Kim
Art Unit	
Examiner Name	

Sheet

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of

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Attorney Docket Number 02730.0020.PCUS00

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Supplementary European Search Report of European Application No. 02790956.3 dated May 17, 2005	
	C2	Yu, B., et al., "Minimization of the Escherichia Coli Genome Using a Tn5-Targeted Cre/loxP Excision System," Nature Biotechnology, Volume 20, pp. 1018-1023 (2002)	
	C3	Yoon, Y., et al., "Cre/loxP-Mediated Excision and Amplification of Large Segments of the Escherichia Coli Genome," Genetic Analysis: Biomolecular Engineering, No. 14, pp. 89-95 (1998)	
	C4	Ayres, E., et al., "Precise Deletions in Large Bacterial Genomes By Vector-Mediated Excision (VEX) The trfA Gene of Promiscuous Plasmid RK2 Is Essential for Replication in Several Gram-negative Hosts," Journal of Molecular Biology, Vol. 230, pp. 174-185 (1993)	
	C5	Tsuda, M., "Use of a Transposon-Encoded Site-Specific Resolution System for Construction of Large and Defined Deletion Mutations in Bacterial Chromosome," Gene, Vol. 207, pp. 33-41 (1998)	
	C6	Delneri, D., et al., "Exploring Redundancy in the Yeast Genome: An Improved Strategy for Use of the cre-loxP System," Gene, Vol. 252, pp. 127-135 (2000)	
	C7	Siegel, R., et al., "Using an in Vivo Phagemid System to Identify Non-Compatible loxP Sequences," FEBS Letters, No. 499, pp. 147-153 (2001)	
	C8	Koob, M., et al., "Minimizing the Genome of Escherichia Coli Motivation and Strategy," Annals New York Academy of Sciences, Vol. 745, pp. 1-3 (1994)	

Examiner Signature	Date Considered
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the burden estimate you require to complete this form, or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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